

CLAIMS

We Claim:

- 5 1. A method for treating a wound, comprising:
- a) providing
- i) an MMP prodomain peptide, and
- ii) a subject having at least one wound; and
- b) administering said peptide to said subject under conditions such
- 10 that the healing of said wound is promoted.
2. The method of Claim 1, wherein said subject is a patient with diabetes.
3. The method of Claim 1, wherein said subject is a burn patient.
- 15 4. The method of Claim 1, wherein said wound is a chronic wound.
5. The method of claim 1, wherein said peptide is derived from MMP 1.
- 20 6. The method of Claim 5, wherein said peptide has the amino acid sequence
Ac-PRCGVPDVAQF-NH₂.
7. The method of claim 1, wherein said peptide is derived from MMP 7.
- 25 8. The method of claim 7, wherein said peptide has the amino acid sequence
Ac-PRCGVPDVAEY-NH₂.
9. The method of claim 1, wherein said peptide is derived from MMP 2.
- 30 10. The method of claim 9, wherein said peptide has the amino acid sequence
Ac-PRCGNPDVANY-NH₂.

11. The method of claim 1, wherein said peptide is derived from MMP 9.
12. The method of claim 11, wherein said peptide has the amino acid
5 sequence Ac-PRCGVPDLGRFQ-NH₂.
13. A kit for the treatment of wounds in a subject, comprising
a) an MMP prodomain peptide; and
b) instruction for using said peptide to treat said wounds in said
10 subject.
14. The kit of Claim 13, wherein said subject is a patient with diabetes.
15. The kit of Claim 13, wherein said subject is a burn patient.
16. The kit of Claim 13, wherein said wound is a chronic wound.
17. The kit of claim 13, wherein said peptide is derived from MMP 1.
- 20 18. The kit of Claim 17, wherein said peptide has the amino acid sequence
Ac-PRCGVPDVAQF-NH₂.
19. The kit of claim 13, wherein said peptide is derived from MMP 7.
- 25 20. The kit of claim 19, wherein said peptide has the amino acid sequence Ac-
PRCGVPDVAEY-NH₂.
21. The kit of claim 13, wherein said peptide is derived from MMP 2.
- 30 22. The kit of claim 21, wherein said peptide has the amino acid sequence Ac-
PRCGNPDVANY-NH₂.

23. The kit of claim 13, wherein said peptide is derived from MMP 9.

24. The kit of claim 23, wherein said peptide has the amino acid sequence Ac-
5 PRCGV PDLGRFQ-NH₂.